

**REMARKS**

By this amendment, claims 1 and 16 have been amended and claims 2, 3, and 20 have been canceled without prejudice or disclaimer. Accordingly, claims 1, 4-19, and 21-27 are currently pending in the application, of which claims 1 and 16 are independent claims, and all pending claims are now allowable. Applicants appreciate the indication that claims 3, 8, 11, 13-15, 20, 23, 25 and 26 contain allowable subject matter.

Applicants respectfully submit that the above amendments do not add new matter to the application and are fully supported by the specification.

In view of the above amendments and the following Remarks, Applicants respectfully request reconsideration and timely withdrawal of the pending objections and rejections for the reasons discussed below.

***Drawing Objection***

In the Office Action, the drawings were objected to as failing to show every feature of the invention as specified in the claims. Specifically the Office Action states that the first angle larger than the second angle (claim 17), as well as the second angle is about zero degrees (claim 27) must be shown or the feature(s) cancelled from the claim(s).

Applicants note the Examiner raised the same objection to the drawings in the Non-Final Office Action mailed March 16, 2005. Applicants provided support for the claimed features in the Reply and Amendment under 37 C.F.R. §1.111 that was filed on June 16, 2005, which the Examiner accepted in the Final Office Action mailed August 29, 2005, as indicated by the acceptance of the drawings on the Office Action Summary (see block 10a of Office Action Summary mailed August 29, 2005).

Accordingly, Applicants respectfully request withdrawal of the drawing objection.

***Claim Objection***

In the Office Action, Claim 1 was objected to as containing redundant language, i.e. the limitation, "wherein a direction of current flow in the channel area of the switching thin film transistor is different from" and the paragraph beginning, "wherein the direction of current flow with respect to".

In Applicants' Reply and Amendment under 37 C.F.R. §1.111 dated June 16, 2005 ("Non-Final Amendment"), Applicants amended claim 1 as follows:

"...wherein a direction of current flow in the channel area of the switching thin film transistor is different from a direction of current flow in the channel area of the driving thin film transistor with respect to [[any]] the grain boundary at the channel area of the driving thin film transistor is different from a direction of current flow with respect to the grain boundary at the channel area of the switching thin film transistor, and

wherein a direction of current flow with respect to the grain boundary at the channel area of the driving thin film transistor is not the same as a direction of current flow with respect to the grain boundary at the channel area of the switching thin film transistor."

In Applicants' Reply and Amendment under 37 C.F.R. §1.116 dated November 29, 2005 ("After Final Amendment"), Applicants inadvertently included claim language that was amended/removed from claim 1 in the Non-Final Amendment. More particularly, the claim language,

"in the channel area of the switching thin film transistor is different from a direction of current flow in the channel area of the driving thin film transistor"

was inadvertently included in the After Final Amendment. Thus, the limitation, "wherein a direction of current flow in the channel area of the switching thin film transistor is different from" was amended/removed from claim 1 in the Non-Final Amendment; therefore, the objection of claim 1 with respect to this "redundant" claim limitation is improper.

Claim 1 has been amended to correct the redundant paragraph. This amendment is made for the sole purpose of correcting redundancy. This amendment is not made for the purpose of avoiding prior art or narrowing the claimed invention, and no change in claim scope is intended. Therefore Applicants do not intend to relinquish any subject matter by these amendments. Applicants respectfully submit that claim 1, as amended, overcomes the stated objection. Accordingly, Applicants respectfully request withdrawal of the objection for claim 1.

***Rejections Under 35 U.S.C. § 103***

Claims 1-2, 4-7, 9-10, 12, 16-19, 21-22, 24 and 27 stand rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over U.S. Patent No. 6,456,013 issued to Komiya, *et al.* ("Komiya") in view of U.S. Patent No. 6,177,301 issued to Jung, *et al.* ("Jung"). Applicants respectfully traverse this rejection for at least the following reasons.

Claim 1 has been amended to include the claim limitations of dependent claim 3 for which the Examiner indicated as containing allowable subject matter (See Office Action, mailed March 8, 2006 on page 6). Accordingly, claim 1 is now in condition for allowance. Claims 4-7, 9-10, and 12 depend from amended claim 1, and are allowable at least for this reason.

Claim 16 has been amended to include the claim limitations of dependent claim 20 for which the Examiner indicated as containing allowable subject matter (See Office Action, mailed March 8, 2006 on page 6). Accordingly, claim 16 is now in condition for allowance. Claims 17-19, 21-22, 24 and 27 depend from amended claim 16, and are allowable at least for this reason.

While claims 1 and 16 have been amended to incorporate allowable subject matter, Applicants do not agree that the features recited in claims 1 and 16, prior to this amendment, are unpatentable over the art of record. Rather, Applicants have amended claims 1 and 16 for the sole purpose of expediting prosecution of this application. Hence, Applicants do not intend

to surrender subject matter of un-amended claims 1 and 16, and reserve the right to file the un-amended claims in a continuation application.

Accordingly, Applicants respectfully request withdrawal of the 35 U.S.C. § 103(a) rejection of claim 1-2, 4-7, 9-10, 12, 16-19, 21-22, 24 and 27. Claim 2 has been cancelled. Since none of the other prior art of record, whether taken alone or in any combination, discloses or suggests all the features of the claimed invention, Applicants respectfully submit that independent claims 1 and 16, and all claims that depend therefrom, are allowable.

***Allowable Subject Matter***

Applicants appreciate the indication that claims 3, 8, 11, 13-15, 20, 23, 25 and 26 contain allowable subject matter. As stated above, claims 1 and 16 were amended to include the claim limitations of dependent claims 3 and 20. Accordingly, claims 1 and 16, as amended, are in condition for allowance. Claims 8, 11, 13-15, 23, 25 and 26 depend from amended claims 1 and 16, and are allowable for at least this reason.

Accordingly, Applicants submit that claims 8, 11, 13-15, 23, 25 and 26 are in condition for allowance.

**CONCLUSION**

Applicants believe that a full and complete response has been made to the pending Office Action and respectfully submits that all of the stated objections and grounds for rejection have been overcome or rendered moot. Accordingly, Applicants respectfully submit that all pending claims are allowable and that the application is in condition for allowance.

Should the Examiner feel that there are any issues outstanding after consideration of this response, the Examiner is invited to contact the Applicants' undersigned representative at the number below to expedite prosecution.

Prompt and favorable consideration of this Reply is respectfully requested.

Respectfully submitted,

/hae-chan park/

Hae-Chan Park  
Reg. No. 50,114

Date: June 8, 2006

**CUSTOMER NUMBER: 58027**  
H.C. Park & Associates, PLC  
8500 Leesburg Pike  
Suite 7500  
Vienna, VA 22182  
Tel: 703-288-5105  
Fax: 703-288-5139  
HCP/BYC/kbs